R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. (9-14)	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2934	038	01	20	76	27AJ	35 13	7536

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0004	06	08	11	042	Y	S	05

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
1	PC	SA	S	FT	151	—	16	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00013	—	—	—

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3H6	3L1			PO	DO
START	35° 13'	75° 36'	1041	4818	4		1536	1537
							PU	ON
FINISH	35° 13'	75° 34'	1024	4814	4		1607	1611

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1200 2 / 5	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

Positive Anadromous

1 - Alew

2 - Am. Shad

48 - B.B.

27AJ

R/V DAN MOORE SPECIES LIST

STA. NO. 2934 DATE JAN 20 1976 BIOLOGISTS BFH JV SGK

TOT. CATCH WT. 13 AIR 11 SURFACE 6.1 BOTTOM 8

SAMPLE WT. 13 RAISING FACTOR 6

SPECIES	C or NC	NUMBER	WEIGHT	TOT. WT. (pds)	$\bar{X}$ Wt	REMARKS
Alosa pseudoharengus		1	.5		.5	♀ III 241
Cynoscion regalis		1	1.8		1.8	
Brevoortia tyrannus		28	1.1		<0.1	
Anchoa hepsetus		numerous	9.2		<0.1	
Alosa sapidissima		2	trace		trace	young of the year
Alosa aestivalis		48	.4		<0.1	young of year

Species: *Alosa aestivalis*

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
301	209	♀						IMM	2932	
2	162	♂						—	—	
3	161	♀						—	—	
4	180	♂						—	—	
5	140	—						—	—	
6	171	—						—	—	
7	168	—						—	—	
8	180	—						—	—	
9	175	♀						—	—	
10	158	♂						—	—	
11	131	—						—	—	
12	170	—						—	—	
13	165	—						—	—	
14	161	—						—	—	
15	154	—						—	—	
16	177	♀						—	—	
17	162	♂						—	—	
18	223	—						—	—	
19	175	—						—	—	
20	171	—						—	—	
21	160	—						—	—	
22	147	♀						—	—	
23	184	♂						—	—	
24	173	♀						—	—	
25	174	♂						—	—	
26	156	—						—	—	
27	157	—						—	—	
28	140	—						—	—	
29	161	—						—	—	
30	160	—						—	—	
31	163	—						—	—	
32	165	—						—	—	
33	170	♀						—	—	
34	167	—						—	—	
35	181	—						—	—	
36	162	♂						—	—	
37	146	—						—	—	
38	75	UNK						—	2934	young of year
39	72	—						—	—	
40	56	—						—	—	
41	83	—						—	—	
42	82	—						—	—	
43	74	—						—	—	
44	53	—						—	—	
45	84	—						—	—	
46	55	—						—	—	
47	86	—						—	—	
48	70	—						—	—	
49	68	—						—	—	
350	76	—						—	—	

Species: *Alosa aestivalis*

Specimen Number	FL.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
351	73	UNK						IMM	2934	
52	73	—						—	—	
53	74	—						—	—	
54	71	—						—	—	
55	76	—						—	—	
56	72	—						—	—	
57	80	—						—	—	
58	55	—						—	—	
59	72	—						—	—	
60	71	—						—	—	
61	77	—						—	—	
62	58	—						—	—	
63	58	—						—	—	
64	51	—						—	—	
65	62	—						—	—	
66	53	—						—	—	
67	51	—						—	—	
68	70	—						—	—	
69	71	—						—	—	
70	54	—						—	—	
71	69	—						—	—	
72	62	—						—	—	
73	62	—						—	—	
74	61	—						—	—	
75	55	—						—	—	
76	67	—						—	—	
77	78	—						—	—	
78	51	—						—	—	
79	54	—						—	—	
80	74	—						—	—	
81	73	—						—	—	
82	61	—						—	—	
83	73	—						—	—	
84	74	—						—	—	
85	54	—						—	—	
86	219	♂						IMM	2938	
87	253	♀						I	—	
88	76	UNK						IMM	2940	probably Numerous - lacking due to Net mesh size
89	75	-						-	-	
90	69	-						-	-	
91	71	-						-	-	
92	80	-						-	-	
93	78	-						-	-	
94	78	-						-	-	
95	74	-						-	-	
96	71	-						-	-	
97	75	-						-	-	
98	77	-						-	-	
99	73	-						-	-	
400	70	-						-	-	

(2)

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Species. *Alosa pseudoharengus* (alewife)

Specimen Number	F.L.	Sex	Otoliths	Gonads	Fecundity	Scale-cards	Age	Gonad Stage	Station Number	Remarks
1	248	♀						I	2932	
2	241	♀						III	2934	
3	No Length	♂							2942	
4	262	♂							2943	
5	264	♀						I	2945	
6	238	♀						I	-	
7	246	♀						III	-	
8	247	♂							-	
9	245	♂							-	
10	245	♂							-	
11	247	♂							-	
12	265	♀						III	[illegible]	
13	255	♀						II	2948	
14	244	♀						III	-	
15	106	♂						IMM	-	
16	111	♀						IMM	-	
17	121	♀						IMM	-	
18	111	♀						IMM	-	
19	110	♀						IMM	-	
20	105	UNK						IMM	-	
21	97	UNK						IMM	-	
22	108	UNK						IMM	-	
23	104	UNK						IMM	-	
24	87	UNK						IMM	-	
25	103	♀						IMM	-	
26	94	UNK						IMM	-	
27	95	UNK						IMM	-	
28	93	UNK						IMM	-	
29	227	♂						IMM	2949	
30	265	♂							-	
31	274	♀						II	-	
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										

Species: *Alosa sapidissima* (Am. shad)

Speciman Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc	Age	Gonad stage	Station Number	Remarks
1	105	♂	–	–	–	–	–	IMM	2930	
2	132	♀	–	–	–	–	–	IMM	–	
3	142	♀	–	–	–	–	–	IMM	–	
4	142	♀	–	–	–	–	–	IMM	–	
5	105	♀	–	–	–	–	–	IMM	2931	
6	117	♂						IMM	2932	
7	110	♂						–	–	
8	105	♀						–	–	
9	97	♂						–	–	
10	112	♂						–	–	
11	121	♂						–	–	
12	108	♀						–	–	
13	112	♂						–	2934	
14	104	♂						–	–	
15	246	♂						–	2936	
16	123	♀						–	2939	
17	140	♀						–	2940	
18	144	♀						–	–	
19	108	♂						–	2942	
20	116	♂						–	–	
21	116	♂						–	–	
22	108	♂						–	–	
23	97	♂						–	–	
24	98	♂						–	–	
25	450	♂							2945	
26	244	♂						IMM	–	
27	164	♂						IMM	–	
28	151	♀						IMM	–	
29	220	♂							2948	
30	134	♀						IMM	–	
31	110	♂						IMM	–	
32	102	♂						IMM	–	
33	138	♀						IM	–	
34	118	♂						IMM	–	
35	123	♂						IM	–	
36	127	♂						IMM	–	
37	131	♀						IM	–	
38	135	♀						IM	–	
39	122	♂						IM	–	
40	118	♀						IMM	–	
41	123	♂						IM	–	
42	126	♂						IM	–	
43	134	♂						IM	–	
44	175	♀						IM	–	
45	124	♂						IM	–	
46	141	♀						IM	–	
47	137	♀						IM	–	
48	124	♂						IM	–	
49	114	♀						IM		
50	132	♂						IM		

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: A. aestivalis

STATION: 2934

DATE: 1/20/76

LOCALITY: 27AJ

T. L.	♂	♀	Unk		T. L.	♂	♀	Unk
50-59.9			14		550-			
60-			8		560-			
70-			21		570-			
80-			5		580-			
90-					590-			
100-					600-			
110-					610-			
120-					620-			
130-					630-			
140-					640-			
150-					650-			
160-					660-			
170-					670-			
180-					680-			
190-					690-			
200-					700-			
210-								
220-								
230-					TOTAL			48
240-								
250-								
260-								
270-								
280-								
290-								
300-						N=48		
310-								
320-								
330-								
340-								
350-								
360-								
370								
380-								
390-								
400-								
410-								
420-								
430-								
440-								
450-								
460-								
470-								
480-								
490-								
500-								
510-								
520								
530-								
540-								

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: *A. pseudoharengus*

STATION: 2934

DATE: 1/20/76

LOCALITY: 27AJ

T.L.	♂	♀	Unk.		T.L.	♂	♀	Unk.	
50-59.9					550-				
60-					560-				
70-					570-				
80-					580-				
90-					590-				
100-					600-				
110-					610-				
120-					620-				
130-					630-				
140-					640-				
150-					650-				
160-					660-				
170-					670-				
180-					680-				
190-					690-				
200-					700-				
210-									
220-									
230-					TOTAL		1		
240-		1							
250-									
260-									
270-									
280-						N=1			
290-									
300-						Range ♀		241 mm	
310-									
320-									
330-									
340-									
350-									
360-									
370									
380-									
390-									
400-									
410-									
420-									
430-									
440-									
450-									
460-									
470-									
480-									
490-									
500-									
510-									
520									
530-									
540-									

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: A. rapidissima

DATE: 1/20/76

STATION: 2934

LOCALITY: 27 AJ

T.L.	♂	♀	Unk.		T.L.	♂	♀	Unk.	
50-59.9					550-				
60-					560-				
70-					570-				
80-					580-				
90-					590-				
100-	1				600-				
110-	1				610-				
120-					620-				
130-					630-				
140-					640-				
150-					650-				
160-					660-				
170-					670-				
180-					680-				
190-					690-				
200-					700-				
210-									
220-									
230-					TOTAL	2			
240-									
250-									
260-						N = 2			
270-									
280-						Range ♂			
290-						104-112			
300-									
310-									
320-									
330-									
340-									
350-									
360-									
370									
380-									
390-									
400-									
410-									
420-									
430-									
440-									
450-									
460-									
470-									
480-									
490-									
500-									
510-									
520									
530-									
540-									